FIGURE 1

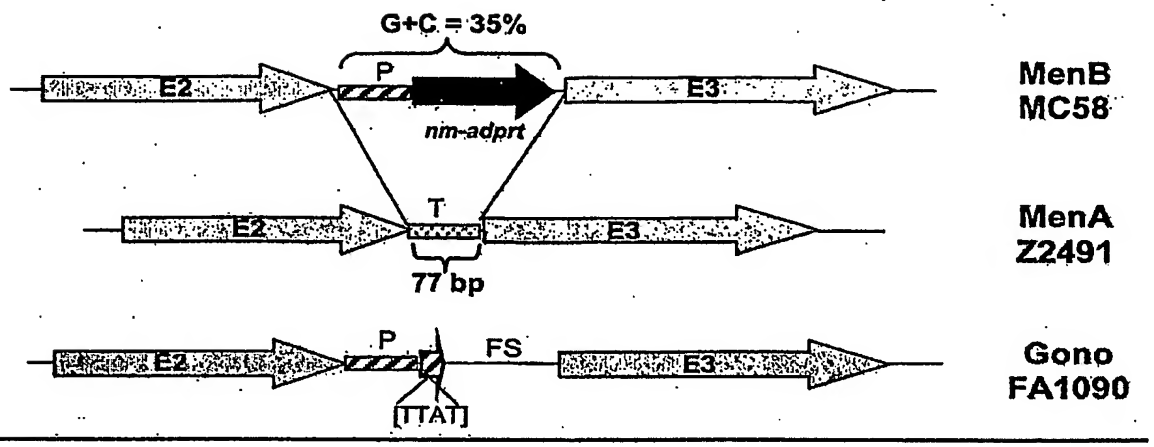


FIGURE 2

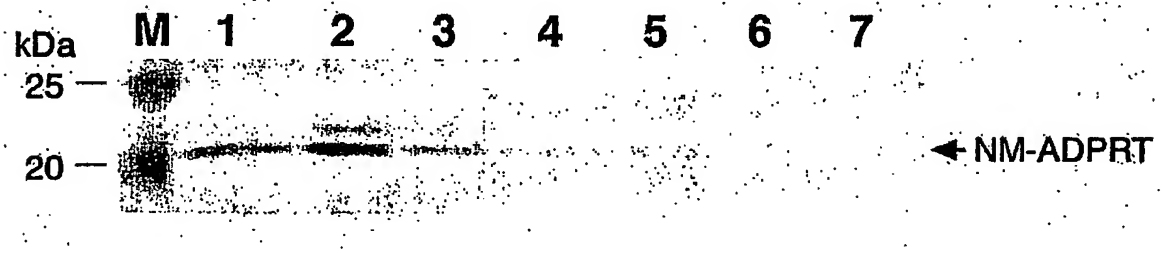


FIGURE 3

FIGURE 3A

FIGURE 3B

FIGURE 4

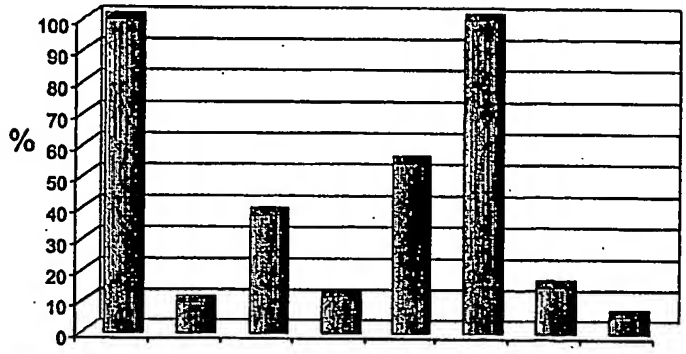


FIGURE 4A

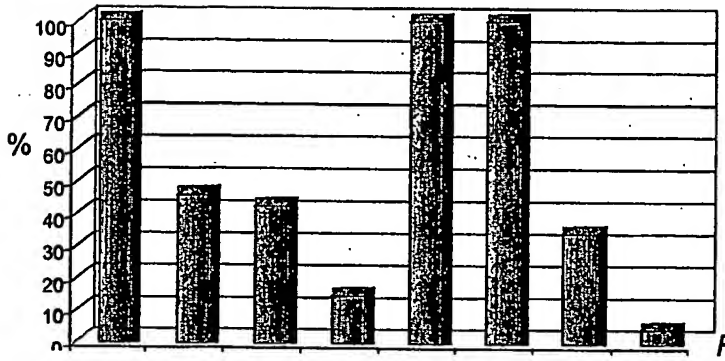


FIGURE 4B

FIGURE 6

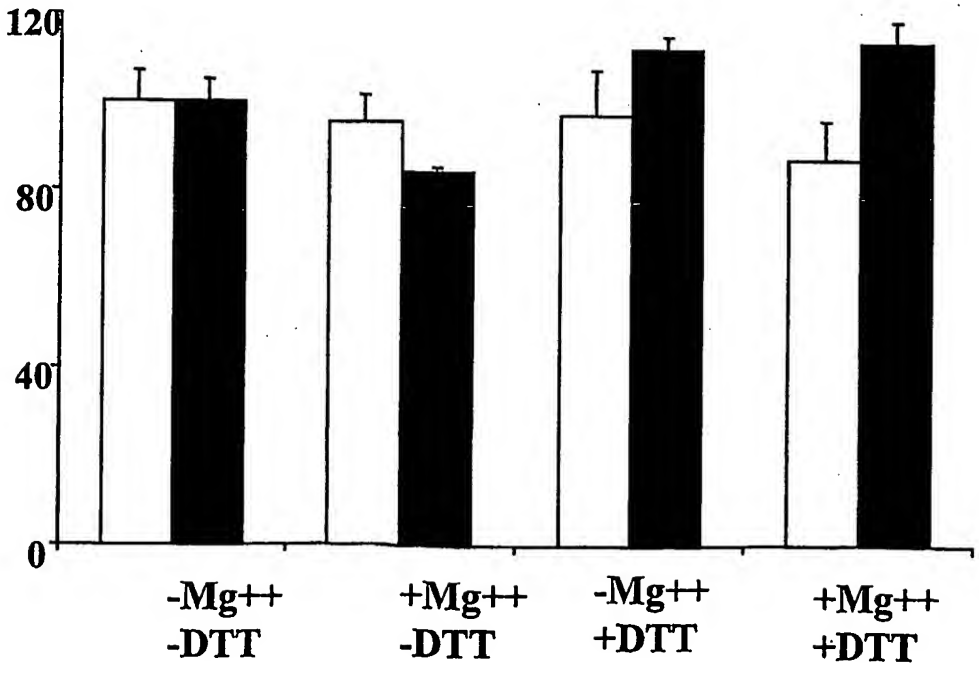
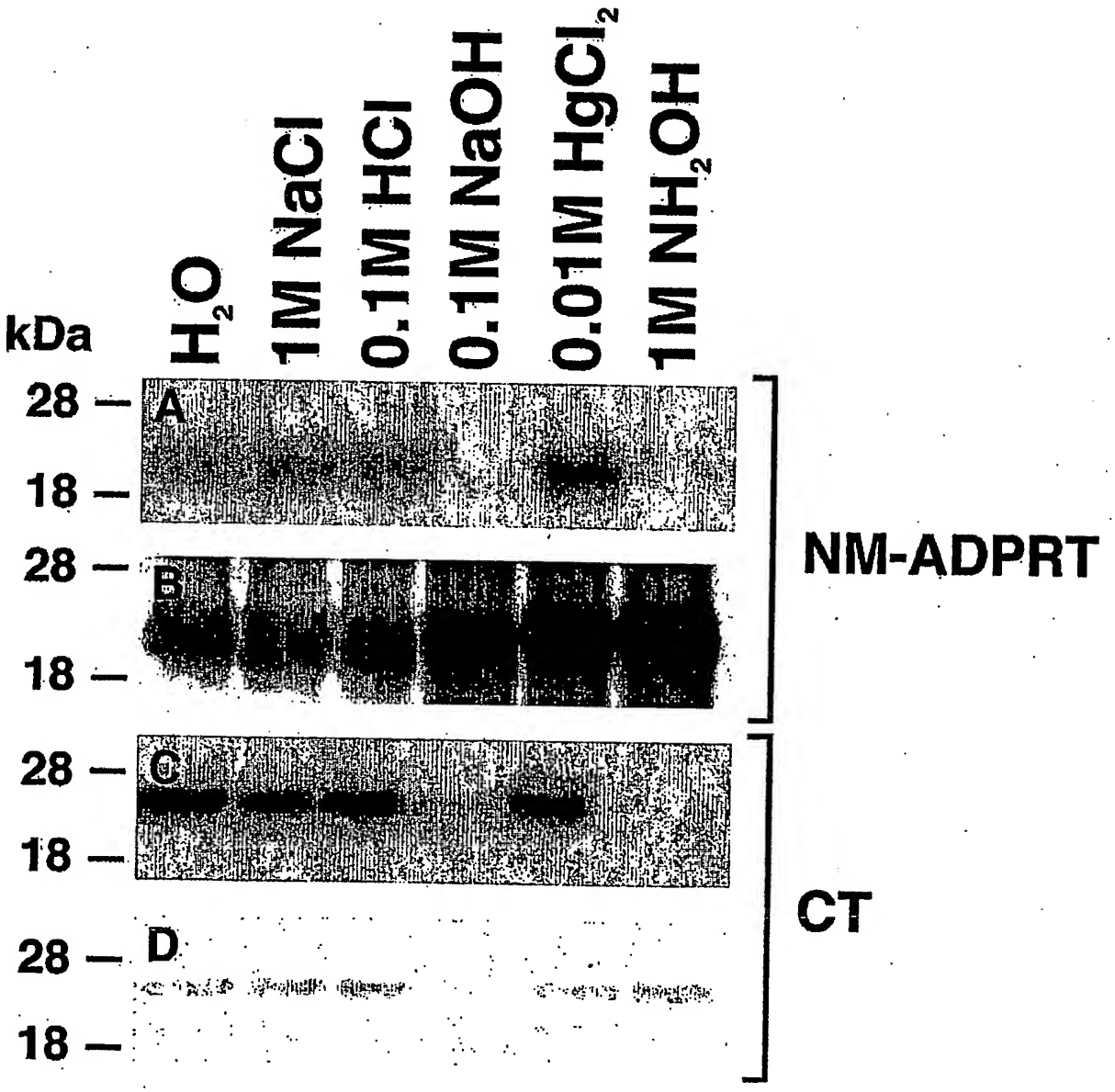


FIGURE 5

CT: EEEE HHHHHHHCEE CCCCC CC EEE HHHHH CCCCCC EEEEECCCHHHHHCCCCCCCC
KDVRADSRPPDEIKQSSGIMPRGQSS---YFD----------RGTQWNINLYDIARGTQTGFVRHDDGKVSNSISLRSAHLVGQTILSGHS
||||: | || : | |:|: :| : :| | :||: :|:||: | :: : ||
MM-ADPRT:MGNFSNRGISCQQDE-QNNGQLKPKGNKAEVAIKYDGKFKYDGKATHGPSVKNAVAIQ--IETGL--YDSCMISYTDKEIAKKFATS--SGIE
PHD: EEE CCCC EEEEEEE EEE HHHHHHHHH EEE HHHHHHHH
PsiPred: CCCCEECCCCCCCCCC CCCCCCCCCCEEEEECCEEECCCCCCCCCCCCHHHHH CCCCC CCCEEEECCCCHHHHHHHHH CCCC
HNN: EEEEEEE EEEEEEE HHHHHHHHH EEEE HHHHHHHH
EEEEE CCEEHHHHCCCCCCCCC EEEEE CCCC EEEEE CCCE EE CC HHHH
CT: TYYIYVIATAPNMFNVNDVLGAYSPHPD---EQKVSAI----GGIPYSQIYGMYRVHFGVLDEQLHRNRGYRDRYY
||||: ::| :: ||: | ||:: | | :
MM-ADPRT:NGYIYVLMR--DLFGQYSIFEYEVEHPEHPKKVTIRAEDCGCIPEEVIIAKELIEIN
PHD: EEEEEEE CC EEEEEEE CCCCCCCCEEEEEE CCCC HHHHHHHHHH
PsiPred: CCEEEEECC CCCCCCEEEEEEECCCCCCCCEEEEECCCCCCCCCHHHHHHHHHHCCC
HNN: EEEEE EEEEEEE EEEEE HHHHHHHHHH

FIGURE 7


kDa
H2O
1M NaCl
0.1M HCl
0.1M NaOH
0.01M HgCl2
1M NH2OH
28
18
A
28
18
B
NM-ADPRT
28
18
C
28
18
D
CT